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ZCAPLUS
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NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
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saved answer sets no longer valid
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NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced

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=> s tnf (p) receptor (p) releas? (p) enzyme (p) screen?

L1 1 TNF (P) RECEPTOR (P) RELEAS? (P) ENZYME (P) SCREEN?

=> s tnf (p) receptor (p) releas? (p) enzyme

L2 512 TNF (P) RECEPTOR (P) RELEAS? (P) ENZYME

=> s tnf (s) receptor (s) releas? (s) enzyme

L3 418 TNF (S) RECEPTOR (S) RELEAS? (S) ENZYME

=> s tnf (a) receptor (a) releas? (a) enzyme

L4 7 TNF (A) RECEPTOR (A) RELEAS? (A) ENZYME

=> s TRRE

L5 11 TRRE

=> s l4 of l5

MISSING OPERATOR L4 OF
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l4 or l5

L6 13 L4 OR L5

=> dup rem l6

PROCESSING COMPLETED FOR L6
L7 9 DUP REM L6 (4 DUPLICATES REMOVED)

=> d l7

L7 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

AN 2001:514535 BIOSIS
DN PREV200100514535
TI Partial amino acid sequences of human **TNF receptor releasing enzyme**.
AU Suganuma, Toshiyuki (1)
CS (1) Department of Biochemistry I, National Defense Medical College, Tokorozawa, Saitama, 359-8513 Japan
SO Boei Ika Daigakko Zasshi, (March, 2001) Vol. 26, No. 1, pp. 11-21. print.
ISSN: 0385-1796.
DT Article
LA English
SL English; Japanese

=> d 17 total ibib kwic

L7 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

ACCESSION NUMBER: 2001:514535 BIOSIS
DOCUMENT NUMBER: PREV200100514535
TITLE: Partial amino acid sequences of human **TNF receptor releasing enzyme**.
AUTHOR(S): Suganuma, Toshiyuki (1)
CORPORATE SOURCE: (1) Department of Biochemistry I, National Defense Medical College, Tokorozawa, Saitama, 359-8513 Japan
SOURCE: Boei Ika Daigakko Zasshi, (March, 2001) Vol. 26, No. 1, pp. 11-21. print.
ISSN: 0385-1796.

DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English; Japanese

TI Partial amino acid sequences of human **TNF receptor releasing enzyme**.

AB. . . of 30 and 40 kD sTNF-R by proteolytic cleavage of TNF-R protein. The

molecule with this enzymatic activity was termed **TNF receptor releasing enzyme (TRRE)**. Here we purified human **TRRE** from the supernatant of PMA-stimulated THP-1 cells. The partial amino acid sequences of human **TRRE** revealed no complete identity to any other sequences in databases. However, one of them showed 46% amino acid identity to . . . surface antigen named MS2 (classified as ADAM8, ADAM: the proteins with a disintegrin and metalloproteinase domain). This result suggests that **TRRE** belongs to the ADAM family and is a separate molecule from human TNF-alpha converting enzyme (TACE), which has 29% amino. . .

IT . . . factor receptors; tumor necrosis factor receptor [TNF receptor]: extracellular domain, proteolytic cleavage, transmembrane domain;
tumor necrosis factor receptor releasing enzyme [TRRE]: ADAM family member, amino acid sequence; tumor necrosis factor-alpha [TNF-alpha]; tumor necrosis factor-alpha converting enzyme

L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:736749 CAPLUS
DOCUMENT NUMBER: 132:2794
TITLE: Modulators affecting tumor necrosis factor receptor-releasing enzyme activity
INVENTOR(S): Gatanaga, Tetsuya; Granger, Gale A.
PATENT ASSIGNEE(S): The Regents of the University of California, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: .

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958559	A2	19991118	WO 1999-US10793	19990514
WO 9958559	A3	20000120		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2328133	AA	19991118	CA 1999-2328133	19990514
AU 9939960	A1	19991129	AU 1999-39960	19990514
BR 9910458	A	20010102	BR 1999-10458	19990514
EP 1076710	A2	20010221	EP 1999-923115	19990514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002514402	T2	20020521	JP 2000-548361	19990514
US 2002091243	A1	20020711	US 2000-752639	20001229
PRIORITY APPLN. INFO.:				
			US 1998-81385	A 19980514
			WO 1999-US10793	W 19990514
			US 2000-712813	A1 20001113
AB The biol. effects of the cytokine tumor necrosis factor (TNF) are mediated by binding to receptors on the surface of cells. Nine new proteins and polynucleotides are provided that promote enzymic cleavage and release of TNF receptors. The isolated polynucleotides have the following properties: (a) the sequence is expressed at the mRNA level in Jurkat T cells; (b) when COS-1 cells expressing TNF-receptor are genetically transformed to express the sequence, the cells have increased enzymic activity for cleaving and releasing the receptor. Also provided are screening methods for identifying addnl. compds. that influence TNF receptor shedding. TRRE activity alleviates septic shock and decreases tumor necrotizing activity, and the modulator expression products are effective in treating septic shock. As active ingredients				
in a pharmaceutical compn., the products of this invention increase or decrease TNF signal transduction, thereby alleviating the pathol. of disease.				
ST tumor necrosis factor receptor releasing enzyme modulator; sequence TNF receptor releasing enzyme cDNA human; signal transduction TNF modulator screening; Jurkat cell TNF receptor releasing enzyme modulator				
L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS				
ACCESSION NUMBER: 1998:324897 CAPLUS				
DOCUMENT NUMBER: 129:13976				
TITLE: Isolated tumor necrosis factor receptor releasing enzyme and pharmaceutical compositions comprising the enzyme				
INVENTOR(S): Granger, Gale A.; Gatanaga, Tetsuya				
PATENT ASSIGNEE(S): Regents of the University of California, USA; Granger, Gale A.; Gatanaga, Tetsuya				
SOURCE: PCT Int. Appl., 109 pp. CODEN: PIXXD2				
DOCUMENT TYPE: Patent				
LANGUAGE: English				
FAMILY ACC. NUM. COUNT: 1				

PATENT INFORMATION

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9820140	A1	19980514	WO 1997-US19930	19971105
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9851621	A1	19980529	AU 1998-51621	19971105
AU 744873	B2	20020307		
EP 938548	A1	19990901	EP 1997-946457	19971105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9712900	A	20001128	BR 1997-12900	19971105
JP 2001508648	T2	20010703	JP 1998-521643	19971105
KR 2000053073	A	20000825	KR 1999-703993	19990504
NO 9902187	A	19990701	NO 1999-2187	19990505
PRIORITY APPLN. INFO.:			US 1996-30761P	P 19961106
			WO 1997-US19930	W 19971105
AB A human tumor necrosis factor receptor releasing enzyme (TRRE) is prepd. from a cultured human cell line THP-1 (human monocytic leukemia) stimulated with PMA and characterized. The native form of TRRE exhibits a mol. wt. of 120 kDa on SDS-PAGE. Its enzyme activity is sensitive to metalloprotease inhibitor, but not to serine or cysteine protease inhibitor. A compn. contg. TRRE for treating a disease assocd. with altered levels of tumor necrosis factor is also described. Also claimed are methods of (1) diagnosing and treating cancer or inflammation assocd. with TREE and (2) administration of pharmaceutical compns. contg. TREE . Preferably, the TRRE activity is regulated local to the site of the condition to be treated. In the case of diseases assocd. with elevated levels of TNF, such as rheumatoid arthritis, TRRE is administered to the site of inflammation in an amt. sufficient to decrease the local levels of TNF. In the case of diseases, such as cancer, that benefit from increased levels of TNF, the level of TRRE is decreased at the disease site.				
ST tumor necrosis factor receptor releasing enzyme; TNF receptor releasing enzyme therapeutic diagnostic				
L7 ANSWER 4 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. ACCESSION NUMBER: 1996:310251 BIOSIS DOCUMENT NUMBER: PREV199699032607 TITLE: TNF-receptor releasing enzyme is secreted by PMA-stimulated THP-1 cell line. AUTHOR(S): Park, M.; Katsura, K.; Gatanaga, M.; Granger, G.; Gatanaga, T. CORPORATE SOURCE: Univ. Calif., Irvine, Dep. Mol. Biol. Biochem., Irvine, CA 92715 USA SOURCE: FASEB Journal, (1996) Vol. 10, No. 6, pp. A1484. Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology, the American Society for Investigative Pathology and the American Association of Immunologists New Orleans, Louisiana, USA June 2-6, 1996 ISSN: 0892-6638. DOCUMENT TYPE: Conference LANGUAGE: English				

TI **TNF-receptor releasing enzyme** is
secreted by PMA-stimulated THP-1 cell line.

L7 ANSWER 5 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:257458 BIOSIS
DOCUMENT NUMBER: PREV199698813587
TITLE: Identification and characterization of soluble **TNF
receptor releasing enzyme (TRRE)** from PMA-stimulated human monocytic THP-1
cells.
AUTHOR(S): Katsura, K. (1); Park, M. (1); Gatanaga, M. (1);
Takishima, K.; Granger, G. A. (1); Gatanaga, T. (1)
CORPORATE SOURCE: (1) Univ. Calif., Irvine, CA USA
SOURCE: Proceedings of the American Association for Cancer
Research
Annual Meeting, (1996) Vol. 37, No. 0, pp. 492.
Meeting Info.: 87th Annual Meeting of the American
Association for Cancer Research Washington, D.C., USA

April

20-24, 1996
ISSN: 0197-016X.

DOCUMENT TYPE: Conference
LANGUAGE: English
TI Identification and characterization of soluble **TNF
receptor releasing enzyme (TRRE)**
from PMA-stimulated human monocytic THP-1 cells.

L7 ANSWER 6 OF 9 MEDLINE DUPLICATE 2
ACCESSION NUMBER: 96222497 MEDLINE
DOCUMENT NUMBER: 96222497 PubMed ID: 8670199
TITLE: Identification of the proteolytic enzyme which cleaves
human p75 TNF receptor in vitro.
AUTHOR: Katsura K; Park M; Gatanaga M; Yu E C; Takishima K;
Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California, Irvine 92717-3900, USA.
SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996
May 15) 222 (2) 298-302.
Journal code: 0372516. ISSN: 0006-291X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199608
ENTRY DATE: Entered STN: 19960819
Last Updated on STN: 20000303
Entered Medline: 19960806

AB . . . fragments, respectively. In this study, the enzymatic activity
involved in the cleavage of human p75 TNF-R, named TNF-R releasing enzyme
(**TRRE**), was identified in the culture supernatant of
PMA-stimulated THP-1 cells using an activity assay system established by
our group. When THP-1 cells were stimulated with PMA, **TRRE** was
released rapidly into the supernatant, reaching maximal activity within 3
hours. The release of **TRRE** into the culture supernatant depended
on the concentration of PMA and FCS. **TRRE** activity was partially
inhibited by chelating agents, suggesting that **TRRE** may be a
metallo-protease-like enzyme. This is the first successful attempt to
establish a stable **TRRE** source with a reliable assay system.

L7 ANSWER 7 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:351439 BIOSIS
DOCUMENT NUMBER: PREV199699073795
TITLE: **TNF-receptor releasing
enzyme** is secreted by PMA-stimulated THP-1 cell

line.
 AUTHOR(S): Gatanaga, T.; Katsura, K.; Par M.; Gatanaga, M.;
 Granger,
 G.
 CORPORATE SOURCE: Univ. California Irvine, Dep. Mol. Biol., Irvine, CA 92715
 USA
 SOURCE: European Cytokine Network, (1996) Vol. 7, No. 2, pp. 166.
 Meeting Info.: 6th International Tumor Necrosis Factor
 Congress Rhodes, Greece May 8-12, 1996
 ISSN: 1148-5493.
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 TI **TNF-receptor releasing enzyme is**
 secreted by PMA-stimulated THP-1 cell line.

L7 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1993:227104 BIOSIS
 DOCUMENT NUMBER: PREV199395118279
 TITLE: Do birch trees (Betula pendula) grow better if foraged by
 wood ants.
 AUTHOR(S): Mahdi, T.; Whittaker, J. B.
 CORPORATE SOURCE: Biological Sci. Div., Inst. Environmental and Biological
 Sci., Univ. Lancaster, Lancaster LA1 4YQ UK
 SOURCE: Journal of Animal Ecology, (1993) Vol. 62, No. 1, pp.
 101-116.
 ISSN: 0021-8790.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 AB. . . of the insect herbivore community on Betula pendula is markedly
 changed by F. rufa predation, the effect of this on **trre** growth
 is slight.

L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1985:1908 CAPLUS
 DOCUMENT NUMBER: 102:1908
 TITLE: The tolerance of tree lucerne to some soil-applied
 herbicide
 AUTHOR(S): Hurrell, G. A.; Bourdot, G. W.
 CORPORATE SOURCE: Agric. Res. Div., MAF, Lincoln, N. Z.
 SOURCE: Proc. N. Z. Weed Pest Control Conf. (1984), 37th,
 210-12
 CODEN: PZWPAL; ISSN: 0370-2804
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT Plant growth and development
 (by **trre** lucerne, soil-applied herbicides effect on)

=> s gatanaga/au

L8 0 GATANAGA/AU

=> s granger/au

L9 0 GRANGER/AU

=> s granger?/au

L10 8680 GRANGER?/AU

=> s gatanaga?/au

L11 218 GATANAGA?/AU

=> s l10 and l11

L12 122 L10 AND L11

=> s gatanaga t /au

L13 118 GATANAGA T

=> s granger g a /au

L14 450 GRANGER G A

=> s l13 and l14

L15 73 L13 AND L14

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 38 DUP REM L15 (35 DUPLICATES REMOVED)

=> d l16 ibib

L16 ANSWER 1 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:300898 BIOSIS

DOCUMENT NUMBER: PREV199699023254

TITLE: Serum TNF-alpha and TNF soluble receptors in inflammatory bowel disease.

AUTHOR(S): Procaccino, F. (1); Hwang, C.; **Gatanaga, T.**;
Patel, A. (1); Eysselein, V. E. (1); **Granger, G. A.**

CORPORATE SOURCE: (1) Inflammatory Bowel Dis. Cent., Harbor-UCLA Med. Cent.,
Torrance, CA USA

SOURCE: Gastroenterology, (1996) Vol. 110, No. 4 SUPPL., pp.
A995.

Meeting Info.: 96th Annual Meeting of the American
Gastroenterological Association and the Digestive Disease
Week San Francisco, California, USA May 19-22, 1996
ISSN: 0016-5085.

DOCUMENT TYPE: Conference

LANGUAGE: English

=> d l16 total ibib

L16 ANSWER 1 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:300898 BIOSIS

DOCUMENT NUMBER: PREV199699023254

TITLE: Serum TNF-alpha and TNF soluble receptors in inflammatory bowel disease.

AUTHOR(S): Procaccino, F. (1); Hwang, C.; **Gatanaga, T.**;
Patel, A. (1); Eysselein, V. E. (1); **Granger, G. A.**

CORPORATE SOURCE: (1) Inflammatory Bowel Dis. Cent., Harbor-UCLA Med. Cent.,
Torrance, CA USA

SOURCE: Gastroenterology, (1996) Vol. 110, No. 4 SUPPL., pp.
A995.

Meeting Info.: 96th Annual Meeting of the American
Gastroenterological Association and the Digestive Disease
Week San Francisco, California, USA May 19-22, 1996
ISSN: 0016-5085.

DOCUMENT TYPE: Conference

LANGUAGE: English

L16 ANSWER 2 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:257458 BIOSIS

DOCUMENT NUMBER: PREV199698813587

TITLE: Identification and characterization of soluble TNF
receptor

monocytic releasing enzyme (TRRE) from PMA-stimulated human THP-1 cells.

AUTHOR(S): Katsura, K. (1); Park, M. (1); Gatanaga, M. (1); K.; Granger, G. A. (1); Gatanaga, T. (1)

CORPORATE SOURCE: (1) Univ. Calif., Irvine, CA USA

SOURCE: Proceedings of the American Association for Cancer Annual Meeting, (1996) Vol. 37, No. 0, pp. 492. Meeting Info.: 87th Annual Meeting of the American Association for Cancer Research Washington, D.C., USA

April 20-24, 1996

ISSN: 0197-016X.

DOCUMENT TYPE: Conference

LANGUAGE: English

L16 ANSWER 3 OF 38 MEDLINE DUPLICATE 1

ACCESSION NUMBER: 96222497 MEDLINE

DOCUMENT NUMBER: 96222497 PubMed ID: 8670199

TITLE: Identification of the proteolytic enzyme which cleaves human p75 TNF receptor in vitro.

AUTHOR: Katsura K; Park M; Gatanaga M; Yu E C; Takishima K; Granger G A; Gatanaga T

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717-3900, USA.

SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 May 15) 222 (2) 298-302. Journal code: 0372516. ISSN: 0006-291X.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199608

ENTRY DATE: Entered STN: 19960819
Last Updated on STN: 20000303
Entered Medline: 19960806

L16 ANSWER 4 OF 38 MEDLINE DUPLICATE 2

ACCESSION NUMBER: 96258290 MEDLINE

DOCUMENT NUMBER: 96258290 PubMed ID: 8660816

TITLE: Prostaglandin-E2 regulation of tumor necrosis factor receptor release in human monocytic THP-1 cells.

AUTHOR: Choi S S; Gatanaga M; Granger G A; Gatanaga T

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California-Irvine, Irvine, California 92717, USA.

SOURCE: CELLULAR IMMUNOLOGY, (1996 Jun 15) 170 (2) 178-84. Journal code: 1246405. ISSN: 0008-8749.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199608

ENTRY DATE: Entered STN: 19960822
Last Updated on STN: 19960822
Entered Medline: 19960809

L16 ANSWER 5 OF 38 MEDLINE DUPLICATE 3

ACCESSION NUMBER: 96075714 MEDLINE

DOCUMENT NUMBER: 96075714 PubMed ID: 7584672

TITLE: Spontaneous release of interleukin-6 by primary cultures of lymphoid and tumor cell populations purified from human

ovarian carcinoma.
 AUTHOR: Burger R A; Grosen E A; Ioli G Van Eden M E; Park M;
 Berman M L; Manetta A; Disaia P J; **Granger G A;**
Gatanaga T
 CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
 University of California, Irvine 92717, USA.
 SOURCE: JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, (1995 Mar) 15
 (3) 255-60.
 Journal code: 9507088. ISSN: 1079-9907.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199512
 ENTRY DATE: Entered STN: 19960124
 Last Updated on STN: 19970203
 Entered Medline: 19951206

L16 ANSWER 6 OF 38 MEDLINE DUPLICATE 4
 ACCESSION NUMBER: 95047799 MEDLINE
 DOCUMENT NUMBER: 95047799 PubMed ID: 7959299
 TITLE: Host-tumor interaction in ovarian cancer. Spontaneous
 release of tumor necrosis factor and interleukin-1
 inhibitors by purified cell populations from human ovarian
 carcinoma in vitro.
 AUTHOR: Burger R A; Grosen E A; Ioli G R; Van Eden M E; Brightbill
 H D; Gatanaga M; DiSaia P J; **Granger G A;**
Gatanaga T
 CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
 University of California at Irvine 92717.
 SOURCE: GYNECOLOGIC ONCOLOGY, (1994 Nov) 55 (2) 294-303.
 Journal code: 0365304. ISSN: 0090-8258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199412
 ENTRY DATE: Entered STN: 19950110
 Last Updated on STN: 19970203
 Entered Medline: 19941227

L16 ANSWER 7 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1994:379682 BIOSIS
 DOCUMENT NUMBER: PREV199497392682
 TITLE: 75-kDa TNF receptor mediates aggregation of human T-LAK
 cells in vitro.
 AUTHOR(S): Abe, Y. (1); Kimura, K. (1); Kimura, S. (1); **Gatanaga,**
T.; Granger, G. A.
 CORPORATE SOURCE: (1) Second Dep. Surg., Ehime Univ. Sch. Med., Shigenobu,
 Ehime 791-02 Japan
 SOURCE: European Cytokine Network, (1994) Vol. 5, No. 2, pp. 141.
 Meeting Info.: 5th International Congress on Tumor
 Necrosis
 Factor Monterey, California, USA May 30-June 3, 1994
 ISSN: 1148-5493.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L16 ANSWER 8 OF 38 MEDLINE DUPLICATE 5
 ACCESSION NUMBER: 94044788 MEDLINE
 DOCUMENT NUMBER: 94044788 PubMed ID: 8228252
 TITLE: Mechanism of release of soluble forms of tumor necrosis
 factor/lymphotoxin receptors by phorbol myristate
 acetate-stimulated human THP-1 cells in vitro.
 AUTHOR: Hwang C; Gatanaga M; **Granger G A; Gatanaga**
T

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California at Irvine 92717.
SOURCE: JOURNAL OF IMMUNOLOGY, (1993 Nov 15) 151 (10) 5631-8.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199312
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 20000303
Entered Medline: 19931210

L16 ANSWER 9 OF 38 MEDLINE DUPLICATE 6
ACCESSION NUMBER: 93267109 MEDLINE
DOCUMENT NUMBER: 93267109 PubMed ID: 8098725
TITLE: Role of 55- and 75-kDa tumor necrosis factor membrane
receptors in the regulation of intercellular adhesion
molecules-1 expression by HL-60 human promyelocytic
leukemia cells in vitro.
AUTHOR: Abe Y; Gatanaga M; Osuka Y; Kimura S; Burger R A;
Granger G A; Gatanaga T
CORPORATE SOURCE: Molecular Biology and Biochemistry, University of
California, Irvine 92717-3900.
SOURCE: JOURNAL OF IMMUNOLOGY, (1993 Jun 1) 150 (11) 5070-9.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199306
ENTRY DATE: Entered STN: 19930702
Last Updated on STN: 19970203
Entered Medline: 19930622

L16 ANSWER 10 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1994:89561 BIOSIS
DOCUMENT NUMBER: PREV199497102561
TITLE: Original of released tumor necrosis factor and soluble
tumor necrosis factor receptors in ovarian carcinoma.
AUTHOR(S): Burger, R. A.; Grosen, E. A.; Gatanaga, M.; Disaia, P. J.;
Berman, M. L.; Manetta, A.; **Granger, G. A.;**
Gatanaga, T.
CORPORATE SOURCE: University California, Irvine, Irvine, CA 92717-3900 USA
SOURCE: Lymphokine and Cytokine Research, (1993) Vol. 12, No. 5,
pp. 380.
Meeting Info.: Combined Meeting of the 8th International
Lymphokine Workshop and the 4th International Workshop on
Cytokines: Lymphokines and Cytokines from Clone to Clinic
Osaka, Japan October 17-21, 1993
ISSN: 1056-5477.
DOCUMENT TYPE: Conference
LANGUAGE: English

L16 ANSWER 11 OF 38 MEDLINE DUPLICATE 7
ACCESSION NUMBER: 93323479 MEDLINE
DOCUMENT NUMBER: 93323479 PubMed ID: 8392647
TITLE: Hypoxia induces a human macrophage cell line to release
tumor necrosis factor-alpha and its soluble receptors in
vitro.
AUTHOR: Scannell G; Waxman K; Kaml G J; Ioli G; **Gatanaga T**
; Yamamoto R; **Granger G A**
CORPORATE SOURCE: Department of Surgery, University of California, Irvine
92717.
SOURCE: JOURNAL OF SURGICAL RESEARCH, (1993 Apr) 54 (4) 281-5.
Journal code: 0376340. ISSN: 0022-4804.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199308
ENTRY DATE: Entered STN: 19930826
Last Updated on STN: 19970203
Entered Medline: 19930816

L16 ANSWER 12 OF 38 MEDLINE DUPLICATE 8
ACCESSION NUMBER: 94083459 MEDLINE
DOCUMENT NUMBER: 94083459 PubMed ID: 8260536
TITLE: The role of lymphotoxin in the IL-2-driven differentiation of human lymphokine-activated T-killer (T-LAK) cells in vitro.
AUTHOR: Abe Y; Van Eden M; Gatanaga M; Wang F I; Brightbill H D; Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1993 Oct) 12 (5) 279-83.
Journal code: 9107882. ISSN: 1056-5477.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199401
ENTRY DATE: Entered STN: 19940209
Last Updated on STN: 19970203
Entered Medline: 19940125

L16 ANSWER 13 OF 38 MEDLINE DUPLICATE 9
ACCESSION NUMBER: 94032768 MEDLINE
DOCUMENT NUMBER: 94032768 PubMed ID: 8218597
TITLE: Release of soluble TNF/LT receptors from a human ovarian tumor cell line (PA-1) by stimulation with cytokines in vitro.
AUTHOR: Gatanaga M; Grosen E A; Burger R A; Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1993 Aug) 12 (4) 249-53.
Journal code: 9107882. ISSN: 1056-5477.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199312
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 19970203
Entered Medline: 19931203

L16 ANSWER 14 OF 38 MEDLINE DUPLICATE 10
ACCESSION NUMBER: 94033152 MEDLINE
DOCUMENT NUMBER: 94033152 PubMed ID: 8218941
TITLE: Tumour necrosis factor (TNF) binding proteins (soluble TNF receptor forms) with possible roles in inflammation and malignancy.
AUTHOR: Olsson I; Gatanaga T; Gullberg U; Lantz M; Granger G A
CORPORATE SOURCE: Division of Hematology, Department of Medicine, Lund, Sweden.
SOURCE: EUROPEAN CYTOKINE NETWORK, (1993 May-Jun) 4 (3) 169-80. Ref: 88
Journal code: 9100879. ISSN: 1148-5493.

PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199312
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 19940117
Entered Medline: 19931207

L16 ANSWER 15 OF 38 MEDLINE DUPLICATE 11
ACCESSION NUMBER: 93351929 MEDLINE
DOCUMENT NUMBER: 93351929 PubMed ID: 8394276
TITLE: Measurement of the soluble membrane receptors for tumor
necrosis factor and lymphotoxin in the sera of patients
with gynecologic malignancy.
AUTHOR: Grosen E A; Granger G A; Gatanaga M; Innins E K;
Hwang C; DiSaia P; Berman M; Manetta A; Emma D;
Gatanaga T
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of
California Irvine 92717-3900.
SOURCE: GYNECOLOGIC ONCOLOGY, (1993 Jul) 50 (1) 68-77.
Journal code: 0365304. ISSN: 0090-8258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199309
ENTRY DATE: Entered STN: 19931001
Last Updated on STN: 19931001
Entered Medline: 19930916

L16 ANSWER 16 OF 38 MEDLINE DUPLICATE 12
ACCESSION NUMBER: 92191877 MEDLINE
DOCUMENT NUMBER: 92191877 PubMed ID: 1312427
TITLE: Growth of the endometrial adenocarcinoma cell line AN3 CA
is modulated by tumor necrosis factor and its receptor is
up-regulated by estrogen in vitro.
AUTHOR: Innins E K; Gatanaga M; Cappuccini F; Dett C A; Yamamoto R
S; Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology, University of California,
Irvine 92717.
SOURCE: ENDOCRINOLOGY, (1992 Apr) 130 (4) 1852-6.
Journal code: 0375040. ISSN: 0013-7227.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199204
ENTRY DATE: Entered STN: 19920509
Last Updated on STN: 19970203
Entered Medline: 19920422

L16 ANSWER 17 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1992:292304 BIOSIS
DOCUMENT NUMBER: BR43:4654
TITLE: MECHANISMS OF RELEASE OF SOLUBLE TNF MEMBRANE RECEPTORS BY
HUMAN THP-1 CELLS IN-VITRO.
AUTHOR(S): HWANG C; GATANAGA M; GRANGER G A; GATANAGA
T
CORPORATE SOURCE: DEP. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE,
CALIF.
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR
EXPERIMENTAL BIOLOGY (FASEB) PART II, ANAHEIM, CALIFORNIA,
USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J,
(1992)

6 (5), A1607.
CODEN: FAJOEC. ISSN: 0892-6638
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 18 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1992:271065 BIOSIS
DOCUMENT NUMBER: BR42:130015
TITLE: THE ROLE OF IL-4 IL-6 TNF AND LT IN THE PROLIFERATION
DIFFERENTIATION AND CYTOTOXIC EFFECTIVENESS OF HUMAN T-LAK
CELLS.
AUTHOR(S): INNINS E K; DETT C A; YAMAMOTO R S; GATANAGA M;
GRANGER G A; GATANAGA T
CORPORATE SOURCE: DEP. MOL. BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.
92717.
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR
EXPERIMENTAL BIOLOGY (FASEB), PART 1, ANAHEIM, CALIFORNIA,
USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J,
(1992)

6 (4), A1336.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 19 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1992:271064 BIOSIS
DOCUMENT NUMBER: BR42:130014
TITLE: LYMPHOTOXIN LT SYSTEM OF HUMAN LYMPHOKINE ACTIVATED T
KILLER T-LAK CELLS STUDIES ON MEMBRANE ASSOCIATED AND
SOLUBLE SECRETED LYMPHOTOXIN.
AUTHOR(S): ABE Y; **GRANGER G A; GATANAGA T**
CORPORATE SOURCE: DEP. MOL. BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.
92717.
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR
EXPERIMENTAL BIOLOGY (FASEB), PART 1, ANAHEIM, CALIFORNIA,
USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J,
(1992)

6 (4), A1336.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 20 OF 38 MEDLINE
ACCESSION NUMBER: 93042824 MEDLINE
DOCUMENT NUMBER: 93042824 PubMed ID: 1421001
TITLE: The autocrine role of tumor necrosis factor in the
proliferation and functional differentiation of human
lymphokine-activated T killer cells (T-LAK) in vitro.
AUTHOR: Innins E K; Gatanaga M; Van Eden M; Knudsen K L;
Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California, Irvine 92717.
SOURCE: CYTOKINE, (1992 Sep) 4 (5) 391-6.
Journal code: 9005353. ISSN: 1043-4666.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199212
ENTRY DATE: Entered STN: 19930122
Last Updated on STN: 19930122
Entered Medline: 19921204

L16 ANSWER 21 OF 38 MEDLINE DUPLICATE 13
 ACCESSION NUMBER: 93120302 MEDLINE
 DOCUMENT NUMBER: 93120302 PubMed ID: 1335764
 TITLE: Blocking factors (soluble membrane receptors) for tumor necrosis factor and lymphotoxin detected in ascites and released in short-term cultures obtained from ascites and solid tumors in women with gynecologic malignancy.
 AUTHOR: Grosen E A; Yamamoto R S; Ioli G; Innis E K; Gatanaga M; **Gatanaga T**; DiSaia P J; Berman M; Manetta A; **Granger G A**
 CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of California Irvine 92717-3900.
 SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Dec) 11 (6) 347-53.
 Journal code: 9107882. ISSN: 1056-5477.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199302
 ENTRY DATE: Entered STN: 19930226
 Last Updated on STN: 19970203
 Entered Medline: 19930211

L16 ANSWER 22 OF 38 MEDLINE DUPLICATE 14
 ACCESSION NUMBER: 93104306 MEDLINE
 DOCUMENT NUMBER: 93104306 PubMed ID: 1467364
 TITLE: Transforming growth factor-beta 1 down-regulates expression of membrane-associated lymphotoxin and secretion of soluble lymphotoxin by human lymphokine-activated killer T cells in vitro.
 AUTHOR: Abe Y; Miyake M; Osuka Y; Kimura S; **Gatanaga T**; **Gatanaga T**
 CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.
 SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Oct) 11 (5) 245-51.
 Journal code: 9107882. ISSN: 1056-5477.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199301
 ENTRY DATE: Entered STN: 19930212
 Last Updated on STN: 19930212
 Entered Medline: 19930125

L16 ANSWER 23 OF 38 MEDLINE DUPLICATE 15
 ACCESSION NUMBER: 92363282 MEDLINE
 DOCUMENT NUMBER: 92363282 PubMed ID: 1500017
 TITLE: Trafficking of syngeneic murine lymphokine activated killer T cells following intraperitoneal administration in normal and tumor bearing mice.
 AUTHOR: Cappuccini F; Lucci J A 3rd; Dett C A; Gatanaga M; Innis E
 K; **Gatanaga T**; Yamamoto R S; Manetta A; DiSaia P J; **Granger G A**
 CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of California, Irvine 92717.
 SOURCE: GYNECOLOGIC ONCOLOGY, (1992 Aug) 46 (2) 163-9.
 Journal code: 0365304. ISSN: 0090-8258.
 PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199209
ENTRY DATE: Entered STN: 19920925
Last Updated on STN: 19970203
Entered Medline: 19920917

L16 ANSWER 24 OF 38 MEDLINE DUPLICATE 16
ACCESSION NUMBER: 92256569 MEDLINE
DOCUMENT NUMBER: 92256569 PubMed ID: 1581418
TITLE: Studies of membrane-associated and soluble (secreted)
lymphotoxin in human lymphokine-activated T-killer cells
in vitro.
AUTHOR: Abe Y; Horiuchi A; Osuka Y; Kimura S; Granger G A
; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California-Irvine 92717.
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Apr) 11 (2)
115-21.
Journal code: 9107882. ISSN: 1056-5477.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199206
ENTRY DATE: Entered STN: 19920626
Last Updated on STN: 19920626
Entered Medline: 19920617

L16 ANSWER 25 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS
INC.DUPLICATE
17
ACCESSION NUMBER: 1992:270227 BIOSIS
DOCUMENT NUMBER: BR42:129177
TITLE: LYMPHOTOXIN MACROPHAGE TOXINS TUMOR NECROSIS FACTOR AND
CACHECTIN.
AUTHOR(S): GRANGER G A; YAMAMOTO R; GATANAGA T;
CAPPUCCINI F; JEFFES E W B; JAKOWATZ J
CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIF., MEMORIAL CANCER
INST., 447 STEINHAUS HALL, IRVINE, CALIF. 92717, USA.
SOURCE: OSAWA, T. AND B. BONAVIDA (ED.). TUMOR NECROSIS FACTOR:
STRUCTURE-FUNCTION RELATIONSHIP AND CLINICAL APPLICATION;
3RD INTERNATIONAL CONFERENCE ON TUMOR NECROSIS FACTOR AND
RELATED CYTOKINES, MAKUHARI, JAPAN, NOVEMBER 21-25, 1990.
IX+291P. S. KARGER AG: BASEL, SWITZERLAND; NEW YORK, NEW
YORK, USA. ILLUS, (1992) 0 (0), 25-33.
ISBN: 3-8055-5458-3.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 26 OF 38 MEDLINE DUPLICATE 18
ACCESSION NUMBER: 91132017 MEDLINE
DOCUMENT NUMBER: 91132017 PubMed ID: 1847164
TITLE: Enhancement of lymphokine-activated T killer cell tumor
necrosis factor receptor mRNA transcription, tumor
necrosis factor receptor membrane expression, and tumor necrosis
factor/lymphotoxin release by IL-1 beta, IL-4, and IL-6 in
vitro.
AUTHOR: Dett C A; Gatanaga M; Inniss E K; Cappuccini F; Yamamoto R
S; Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology & Biochemistry, University
of California Irvine 92717.

SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Mar 1) 146 (5) 1522-6.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199103
ENTRY DATE: Entered STN: 19910405
Last Updated on STN: 19910405
Entered Medline: 19910319

L16 ANSWER 27 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1992:22314 BIOSIS
DOCUMENT NUMBER: BR42:10014
TITLE: A 20AA SYNTHETIC PEPTIDE OF A REGION FROM THE 55 KD HUMAN
TNF RECEPTOR INHIBITS CYTOLYTIC AND BINDING ACTIVITIES OF
RECOMBINANT TNF IN-VITRO.
AUTHOR(S): HWANG C; GATANAGA M; ININNS E K; YAMAMOTO R S; **GRANGER
G A; GATANAGA T**
CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIF., IRVINE, CALIF.
SOURCE: THIRD INTERNATIONAL WORKSHOP ON CYTOKINES, STRESA, ITALY,
NOVEMBER 10-14, 1991. CYTOKINE, (1991) 3 (5), 475.
CODEN: CYTIE9. ISSN: 1043-4666.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 28 OF 38 MEDLINE DUPLICATE 19
ACCESSION NUMBER: 91355387 MEDLINE
DOCUMENT NUMBER: 91355387 PubMed ID: 1653048
TITLE: Identification of tumor necrosis factor and lymphotoxin
blocking factor(s) in the ascites of patients with
advanced
and recurrent ovarian cancer.
AUTHOR: Cappuccini F; Yamamoto R S; DiSaia P J; Grosen E A;
Gatanaga M; Lucci J A; Innins E K; **Gatanaga T;
Granger G A**
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of
California, Irvine 92717.
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1991 Jun) 10 (3) 225-9.
Journal code: 9107882. ISSN: 1056-5477.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199110
ENTRY DATE: Entered STN: 19911027
Last Updated on STN: 19980206
Entered Medline: 19911007

L16 ANSWER 29 OF 38 MEDLINE DUPLICATE 20
ACCESSION NUMBER: 92052300 MEDLINE
DOCUMENT NUMBER: 92052300 PubMed ID: 1682934
TITLE: A 20 amino acid synthetic peptide of a region from the 55
kDa human TNF receptor inhibits cytolytic and binding
activities of recombinant human tumour necrosis factor in
vitro.
AUTHOR: Hwang C D; Gatanaga M; Innins E K; Yamamoto R S;
Granger G A; Gatanaga T
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California, Irvine 92717.
SOURCE: PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON. SERIES B:
BIOLOGICAL SCIENCES, (1991 Aug 22) 245 (1313) 115-9.
Journal code: 7505889. ISSN: 0962-8452.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199112
ENTRY DATE: Entered STN: 19920124
Last Updated on STN: 19980206
Entered Medline: 19911210

L16 ANSWER 30 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1991:539696 BIOSIS

DOCUMENT NUMBER: BR41:129431

TITLE: THE AUTOCRINE ROLE OF TUMOR NECROSIS FACTOR AND
LYMPHOTOXIN

IN THE PROLIFERATION AND DIFFERENTIATION OF HUMAN
LYMPHOKINE ACTIVATED T KILLER CELLS T-LAK IN-VITRO.
ININNS E K; GATANAGA M; YAMAMOTO R S; **GRANGER G A**
; **GATANAGA T**

AUTHOR(S):

CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIFORNIA, IRVINE, CALIF:
92717.

SOURCE: TWENTY-EIGHTH NATIONAL MEETING OF THE SOCIETY FOR
LEUKOCYTE

BIOLOGY AND THE TWENTY-FIRST LEUKOCYTE CULTURE CONFERENCE,
ASPEN, COLORADO, USA, SEPTEMBER 28-OCTOBER 1, 1991. J
LEUKOCYTE BIOL, (1991) 0 (SUPPL 2), 99-100.
CODEN: JLBIE7. ISSN: 0741-5400.

DOCUMENT TYPE: Conference

FILE SEGMENT: BR; OLD

LANGUAGE: English

L16 ANSWER 31 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1991:539679 BIOSIS

DOCUMENT NUMBER: BR41:129414

TITLE: A 20AA SYNTHETIC PEPTIDE OF A REGION FROM THE 55 KD HUMAN
TNF RECEPTOR INHIBITS CYTOLYTIC AND BINDING ACTIVITIES OF
RECOMBINANT HUMAN TNF IN-VITRO.

AUTHOR(S): HWANG C; GATANAGA M; ININNS E K; YAMAMOTO R S; **GRANGER**
G A; GATANAGA T

CORPORATE SOURCE: BIOCHEM. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF.,
IRVINE, CALIF.

SOURCE: TWENTY-EIGHTH NATIONAL MEETING OF THE SOCIETY FOR
LEUKOCYTE

BIOLOGY AND THE TWENTY-FIRST LEUKOCYTE CULTURE CONFERENCE,
ASPEN, COLORADO, USA, SEPTEMBER 28-OCTOBER 1, 1991. J
LEUKOCYTE BIOL, (1991) 0 (SUPPL 2), 95.
CODEN: JLBIE7. ISSN: 0741-5400.

DOCUMENT TYPE: Conference

FILE SEGMENT: BR; OLD

LANGUAGE: English

L16 ANSWER 32 OF 38 MEDLINE DUPLICATE 21

ACCESSION NUMBER: 92005726 MEDLINE

DOCUMENT NUMBER: 92005726 PubMed ID: 1655285

TITLE: The regulation of TNF receptor mRNA synthesis, membrane
expression, and release by PMA- and LPS-stimulated human
monocytic THP-1 cells in vitro.

AUTHOR: **Gatanaga T**; Hwang C D; Gatanaga M; Cappuccini F;
Yamamoto R S; **Granger G A**

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California, Irvine 92717.

SOURCE: CELLULAR IMMUNOLOGY, (1991 Nov) 138 (1) 1-10.
Journal code: 1246405. ISSN: 0008-8749.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199111

ENTRY DATE: Entered STN: 19920124

L16 ANSWER 33 OF 38 MEDLINE DUPLICATE 22
ACCESSION NUMBER: 91062364 MEDLINE
DOCUMENT NUMBER: 91062364 PubMed ID: 2174164
TITLE: Purification and characterization of an inhibitor (soluble tumor necrosis factor receptor) for tumor necrosis factor and lymphotoxin obtained from the serum ultrafiltrates of human cancer patients.
AUTHOR: Gatanaga T; Hwang C D; Kohr W; Cappuccini F; Lucci J A 3rd; Jeffes E W; Lentz R; Tomich J; Yamamoto R S;
Granger G A
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1990 Nov) 87 (22) 8781-4. Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910222
Last Updated on STN: 19910222
Entered Medline: 19910110

L16 ANSWER 34 OF 38 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 90149725 EMBASE
DOCUMENT NUMBER: 1990149725
TITLE: Molecular cloning and expression of a receptor for human tumor necrosis factor.
AUTHOR: Schall T.J.; Lewis M.; Koller K.J.; Lee A.; Rice G.C.; Wong
G.H.W.; Gatanaga T.; Granger G.A.;
Lentz R.; Raab H.; Kohr W.J.; Goeddel D.V.
CORPORATE SOURCE: Department of Molecular Biology, Genentech Inc., 460 Pt. San Bruno Boulevard, San Francisco, CA 94080, United States
SOURCE: Cell, (1990) 61/2 (631-370). ISSN: 0092-8674 CODEN: CELLB5
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L16 ANSWER 35 OF 38 MEDLINE DUPLICATE 23
ACCESSION NUMBER: 90235285 MEDLINE
DOCUMENT NUMBER: 90235285 PubMed ID: 2158863
TITLE: Molecular cloning and expression of a receptor for human tumor necrosis factor.
AUTHOR: Schall T J; Lewis M; Koller K J; Lee A; Rice G C; Wong G H;
Gatanaga T; Granger G A; Lentz R; Raab H;
+
CORPORATE SOURCE: Department of Molecular Biology, Genentech, Inc., South San Francisco, California 94080.
SOURCE: CELL, (1990 Apr 20) 61 (2) 361-70. Journal code: 0413066. ISSN: 0092-8674.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-M33294
ENTRY MONTH: 199006
ENTRY DATE: Entered STN: 19900706
Last Updated on STN: 19970203
Entered Medline: 19900601

L16 ANSWER 36 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:152992 BIOSIS
DOCUMENT NUMBER: BR40:72597
TITLE: PURIFICATION AND CHARACTERIZATION OF TNF-LT BLOCKING
FACTORS IN THE SERUM AND ULTRAFILTRATES OF HUMAN CANCER
PATIENTS.
AUTHOR(S): **GATANAGA T**; HWANG C; TOMICH J; LENTZ R; KORR B;
GRANGER G A
CORPORATE SOURCE: DEP. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF. IRVINE,
IRVINE, CALIF. 92717, USA.
SOURCE: 15TH INTERNATIONAL CANCER CONGRESS, HAMBURG, GERMANY,
AUGUST 16-22, 1990. J CANCER RES CLIN ONCOL, (1990) 116
(SUPPL PART 1), 277.
CODEN: JCROD7. ISSN: 0171-5216.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 37 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:483174 BIOSIS
DOCUMENT NUMBER: BR39:107195
TITLE: ALTERATION OF PLASMA COMPONENTS FOR IMMUNE SYSTEM
ACTIVATION.
AUTHOR(S): LENTZ M R; **GRANGER G A**; TOMICH J; TUCKER E;
GATANAGA T; HUBBARD W
CORPORATE SOURCE: JOHN F. KENNEDY MEMORIAL HOSP., INDIO, CALIF. 92201.
SOURCE: SYMPOSIUM ON TISSUE ENGINEERING HELD AT THE 19TH ANNUAL
UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON
MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA,
APRIL 6-12, 1990. J CELL BIOCHEM SUPPL, (1990) 0 (14 PART
E), 241.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L16 ANSWER 38 OF 38 MEDLINE DUPLICATE 24
ACCESSION NUMBER: 90250966 MEDLINE
DOCUMENT NUMBER: 90250966 PubMed ID: 2187118
TITLE: Identification of TNF-LT blocking factor(s) in the serum
and ultrafiltrates of human cancer patients.
AUTHOR: **Gatanaga T**; Lentz R; Masunaka I; Tomich J; Jeffes
E W 3rd; Baird M; **Granger G A**
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,
University of California, Irvine.
SOURCE: LYMPHOKINE RESEARCH, (1990 Summer) 9 (2) 225-9.
Journal code: 8308208. ISSN: 0277-6766.
PUB. COUNTRY: United States
DOCUMENT TYPE: (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199006
ENTRY DATE: Entered STN: 19900720
Last Updated on STN: 19900720
Entered Medline: 19900619

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

91.73

91.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

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SESSION

CA SUBSCRIBER PRICE

-1.24

-1.24

STN INTERNATIONAL LOGOFF AT 10:35:59 ON 16 SEP 2002

09752639 Results

SEQ ID NO: 9

SUMMARIES

Result No.	Score	% Query		DB	ID	Description
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3	1063.6	89.6	2538	88	AF110322	AF110322 Homo sapi
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6	616.6	51.9	1865	94	AF177476	AF177476 Rattus no
7	610.8	51.5	1892	94	BC002318	BC002318 Mus muscu
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c 14	69.6	5.9	51381	78	AF322456	AF322456 Homo sapi
c 15	69	5.8	2487	3	HMY16851	Y16851 Haloarcula
c 16	69	5.8	4518	56	XXU37573	U37573 Shuttle exp
17	69	5.8	11866	3	MTH243656	AJ243656 Methanoba
c 18	69	5.8	13404	78	AF322452	AF322452 Homo sapi
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28	64	5.4	513	8	LLATTMSAT	X99051 L.lagopus A
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RESULT 9

AC004477

LOCUS AC004477 135505 bp DNA PRI 29-OCT-1998

DEFINITION Homo sapiens chromosome 17, clone HRPC890E16, complete sequence.

ACCESSION AC004477

VERSION AC004477.1 GI:3688107

KEYWORDS HTG.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 135505)

AUTHORS Birren,B., Linton,L., Nusbaum,C. and Lander,E.

TITLE Homo sapiens chromosome 17, clone HRPC890E16

JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 135505)
 AUTHORS Birren,B., Fasman,K., McKernan,K., Nusbaum,C., Richardson,P.,
 Lander,E., Allen,N., Baker,J., Baldwin,J., Barna,N., Beckerly,R.,
 Benn,J., Boatn,C., Boutwell,C., Brown,A., Byrne,S., Cantu,C.,
 Castle,A., Cerny,J., Cooke,P., Daly,M.J., Depayre,E., Devon,K.,
 Dewar,K., Donelan,L., DuRette,B., Etemadi,S., Ferreira,P.,
 FitzHugh,W., Forrest,C., Funke,R., Gage,D., Gardyna,S.,
 Gensheimer,S., Geraigery,K., Gilmartin,T., Grant,G., Gray,D.,
 Hagos,B., Harris,K., Horton,L., Howland,J.C., Hui,L., Jacotot,L.,
 Kann,L., Linton,L., Macdonald,P., Marquis,N., McEwan,P., McGurk,A.,
 Meldrim,J., Molla,M., Morris,W., Morrow,J., Nachman,A., Nahf,R.,
 Naylor,J., O'Connor,T., Pavlin,B., Peterson,K., Riley,R.,
 Roberts,D., Rollins,G., Rossello,R., Roy,A., Shyam,R.,
 Stange-Thomann,N., Stilwell,J., Stone,C., Strickland,C.,
 Subramanian,A., Sydney,K., Tang,L., Vassiliev,H., Vo,A., Wagner,A.,
 Wang,B., Wheeler,J., Wu,Y., Ye,W.J., Zhao,J. and Zody,M.
 TITLE Direct Submission
 JOURNAL Submitted (26-MAR-1998) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 REFERENCE 3 (bases 1 to 135505)
 AUTHORS Birren,B., Linton,L., Nusbaum,C., Lander,E., Allen,N., Anderson,M.,
 Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Boutwell,C.,
 Brown,A., Castle,A., Cerny,J., Colangelo,M., Collins,S.,
 Collymore,A., Cooke,P., Corliss,D., Depayre,E., Devon,K., Dewar,K.,
 Donelan,L., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R.,
 Gage,D., Gardyna,S., Geraigery,K., Grant,G., Hagos,B., Heaford,A.,
 Herena,L., Horton,L., Howland,J.C., Jacotot,L., Jones,C., Kann,L.,
 Karatas,A., Lehoczkzy,J., Macdonald,P., Marquis,N., McEwan,P.,
 McGurk,A., McKernan,K., Meldrim,J., Molla,M., Morris,W., Morrow,J.,
 Mychaleckyj,J., Nahf,R., Naylor,J., Niloff,M., O'Connor,T.,
 O'Donnell,P., Pavlin,B., Peterson,K., Riley,R., Roberts,D., Roy,A.,
 Severy,P., Stange-Thomann,N., Stilwell,J., Stojanovic,N., Stone,C.,
 Subramanian,A., Tesfaye,S., Tichovolsky,N., Torruella-Miller,I.,
 Vassiliev,H., Vo,A., Wagner,A., Wheeler,J., Wu,Y., Wyman,D.,
 Ye,W.J., Zhao,J. and Zody,M.
 TITLE Direct Submission
 JOURNAL Submitted (02-OCT-1998) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 REFERENCE 4 (bases 1 to 135505)
 AUTHORS Birren,B., Linton,L., Nusbaum,C., Lander,E., Allen,N., Anderson,M.,
 Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Boutwell,C.,
 Brown,A., Castle,A., Cerny,J., Colangelo,M., Collins,S.,
 Collymore,A., Cooke,P., Corliss,D., Depayre,E., Devon,K., Dewar,K.,
 Donelan,L., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R.,
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 Vassiliev,H., Vo,A., Wagner,A., Wheeler,J., Wu,Y., Wyman,D.,
 Ye,W.J., Zhao,J. and Zody,M.
 TITLE Direct Submission
 JOURNAL Submitted (29-OCT-1998) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 COMMENT On Oct 2, 1998 this sequence version replaced gi:3687291.
 All repeats were identified using RepeatMasker: Smit, A.F.A. &
 Green, P. (1996-1997)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>.
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 Matches 488; Conservative 0; Mismatches 6; Indels 102; Gaps 1;

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Qy 687 CAGCTGCTGGCTTTGAAGAAAGAGCTGATGGTGCAGAAGCAGCAGGAGGCACTTGAGGAG 746
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Db 25335 CAGCTGCTGGCTTTGAAGAAAGAGCTGATGGTGCAGAAGCAGCAGGAGGCACTTGAGGAG 25394

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Db 25395 CAGGCGGCTCTGGAGCCTAAGCTGGACCTGCTACTGGAGAAGACCAAGGAGCTGCAGAAG 25454

Qy 807 CT----- 808
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Qy 809 -----GATTGAAGCTGACATC 824
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Db 25515 GCCCTGAGCACCCCTGCTTCTGCCCCACTTGGTATCACTCTTTCAGATTGAAGCTGACATC 25574

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Qy 825 TCCAAGAGGTACAGCGGGCGCCCTGTGAACCTGATGGGAACCTCTCTGTGACACCCTCCG 884
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RESULT 10

G22793/c

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 VERSION G22793.1 GI:1343119
 KEYWORDS STS; STS sequence; primer; sequence tagged site.
 SOURCE human STSs derived from sequences in dbEST and the Unigene collection.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 405)
 AUTHORS Hudson,T.
 TITLE Whitehead Institute/MIT Center for Genome Research; Physically Mapped STSs
 JOURNAL Unpublished (1995)
 COMMENT

Contact: Thomas Hudson
 Whitehead Institute/MIT Center for Genome Research
 Whitehead Institute for Biomedical Research
 9 Cambridge Center, Cambridge MA 02142 USA
 Tel: 617 252 1900
 Fax: 617 252 1902
 Email: thudson@genome.wi.mit.edu

Primer A: TTTTCCTCTTTTATTAAGTCCGC

Primer B: TGATGGTGATCTTGGCACTC

STS size: 127

PCR Profile:

Presoak:
 Denaturation:
 Annealing: 56 degrees C
 Polymerization:
 PCR Cycles: 35
 Thermal Cycler:

Protocol:

Template: 10 ng
 Primer: each 5 pM
 dNTPs: each 4 nM
 Taq Polymerase: 0.025 units/ul
 Total Vol: 20 ul

Buffer:

MgCl2: 1.5 mM
 KCl: 50 mM
 Tris-HCL: 10 mM
 pH: 9.3

Derived from dbEST (genbank accession R12670).

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RESULT 4

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ID AAX10455 standard; DNA; 127 BP.

XX

AC AAX10455;

XX

DT 30-MAR-1999 (first entry)

XX

DE Human biallelic polymorphic DNA fragment WI-11758.

XX

KW Polymorphism; biallelic; human; forensic; paternity testing; disease;

KW detection; phenotypic typing; characteristic; infection; hereditary;

KW autoimmune disease; cancer; inflammation; drug; therapy; medicament;

KW treatment; marker; ss.

XX

OS Homo sapiens.

XX

PN WO9820165-A2.

XX

PD 14-MAY-1998.

XX

PF 05-NOV-1997; 97WO-US20313.

XX

PR 06-NOV-1996; 96US-0030455.

XX

PA (WHED) WHITEHEAD INST BIOMEDICAL RES.

XX

PI Hudson T, Lander ES, Wang D;

XX

DR WPI; 1998-286974/25.

XX

PT New isolated nucleic acid segments from the human genome - used for

PT determining polymorphic forms for use in e.g. forensics, paternity

PT testing or phenotypic typing for disease

XX

PS Claim 1; Page 52; 310pp; English.

XX

CC AAX10269-X12937 are human DNA fragments which contain biallelic

CC polymorphic markers which have been isolated using the primers

CC represented in AAX09121-X10268. The base occupying the polymorphic site

CC is indicated by the appropriate IUPAC-IUB ambiguity code. These fragments

CC can be used in methods for determining polymorphic forms in an individual

CC for use in e.g. forensics, paternity testing or for phenotypic typing for

CC diseases such as agammaglobulinemia, diabetes insipidus, Lesch-Nyhan
 CC syndrome, muscular dystrophy, Wiskott-Aldrich syndrome, Fabry's disease,
 CC familial hypercholesterolemia, polycystic kidney disease, hereditary
 CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary
 CC haemorrhagic telangiectasia, familial colonic polyposis, Ehlers-Danlos
 CC syndrome, osteogenesis imperfecta, acute intermittent porphyria,
 CC autoimmune diseases, inflammation, cancer, diseases of the nervous
 CC system, infection by pathogenic microorganisms, and characteristics such
 CC as longevity, appearance (e.g. baldness, obesity), strength, speed,
 CC endurance, fertility, and susceptibility or receptivity to particular
 CC drugs or therapeutic treatments. The isolated polymorphic nucleic acid
 CC segments can also be used to produce medicaments for the treatment or
 CC prophylaxis of such diseases.
 XX
 SQ Sequence 127 BP; 35 A; 30 C; 25 G; 36 T; 1 other;

Query Match 8.9%; Score 106; DB 19; Length 127;
 Best Local Similarity 98.1%; Pred. No. 5.9e-17;
 Matches 106; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1013 TGATGGTGATCTTGGCACTCTCCATGTTCTCTACAAGAAGCTGTGGTGATTGGCCCTGTG 1072
 |||||
 Db 127 TGATGGTGATCTTGGCACTCTCCATGTTCTCTACAAGAAGCTGTGGTGATTGGCCCTGTG 68
 QY 1073 GTCTATCAGGCGAAAACACAGATTCTCCTTCTAGTTAGTATAGCGCA 1120
 |||||:|||||
 Db 67 GTCTAYCAGGCGAAAACACAGATTCTCCTTCTAGTTAGTATAGCGGA 20

RESULT 5
 AAT19732
 ID AAT19732 standard; cDNA to mRNA; 137 BP.
 XX
 AC AAT19732;
 XX
 DT 05-JUL-1996 (first entry)
 XX
 DE Human gene signature HUMGS00806.
 XX
 KW Gene signature; messenger RNA; mRNA; relative abundance; frequency;
 KW human; cloning; mapping; non-biased library; diagnosis; detection;
 KW cell typing; abnormal cell function; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO9514772-A1.
 XX
 PD 01-JUN-1995.
 XX
 PF 11-NOV-1994; 94WO-JP01916.
 XX
 PR 12-NOV-1993; 93JP-0355504.
 XX
 PA (MATS/) MATSUBARA K.
 PA (OKUB/) OKUBO K.
 XX
 PI Matsubara K, Okubo K;
 XX
 DR WPI; 1995-206931/27.
 XX
 PT Identifying gene signatures in 3'-directed human cDNA library - e.g.
 PT for diagnosis of abnormal cell function, by preparing cDNA that
 PT reflects relative abundance of corresp. mRNA in specific human
 PT tissues
 XX
 PS Claim 1; Page 459; 2245pp; Japanese.
 XX
 CC A single-stranded DNA (or its complementary strand or the corresp.

CC double-stranded DNA) which comprises one of the 7837 "GS" sequences
 CC given in AAT19001-T26837 and which is able to hybridise to part of
 CC human genomic DNA, cDNA or mRNA is claimed. The GS (Gene Signature)
 CC sequences were obtained from 3'-directed cDNA libraries prepared
 CC from various human tissues; synthesis of cDNA was initiated from the
 CC 3'-end of mRNA by using poly(T) as the sole primer. Since the 3'-
 CC untranslated sequence is unique to a particular mRNA species, almost
 CC all the 3'-oriented cDNAs hybridise with specific mRNAs. Each library
 CC is constructed so as to reflect accurately the relative abundance of
 CC different mRNAs in the particular tissue from which it was derived.
 CC The appearance frequency of a given GS in a cDNA library can be
 CC determined (esp. using primers and probes derived from the GS
 CC sequences) as a means of diagnosing abnormal cell function or for
 CC recognising different cell types.

XX

SQ Sequence 137 BP; 40 A; 29 C; 29 G; 39 T; 0 other;

Query Match 8.4%; Score 99.4; DB 16; Length 137;
 Best Local Similarity 99.0%; Pred. No. 2.5e-15;
 Matches 100; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1020 GATCTTGGCACTCTCCATGTTCTCTACAAGAAGCTGTGGTGATTGGCCCTGTGGTCTATC 1079
 |||
 Db 1 gatcttggcactctccatgttctctacaagaagctgtggtgattggccctgtggtctatc 60

Qy 1080 AGGCGAAAAACCACAGATTCTCCTTCTAGTTAGTATAGCGCA 1120
 |||
 Db 61 aggcgaaaaaccacagattctccttctagtttagtatagcgga 101

Issued:

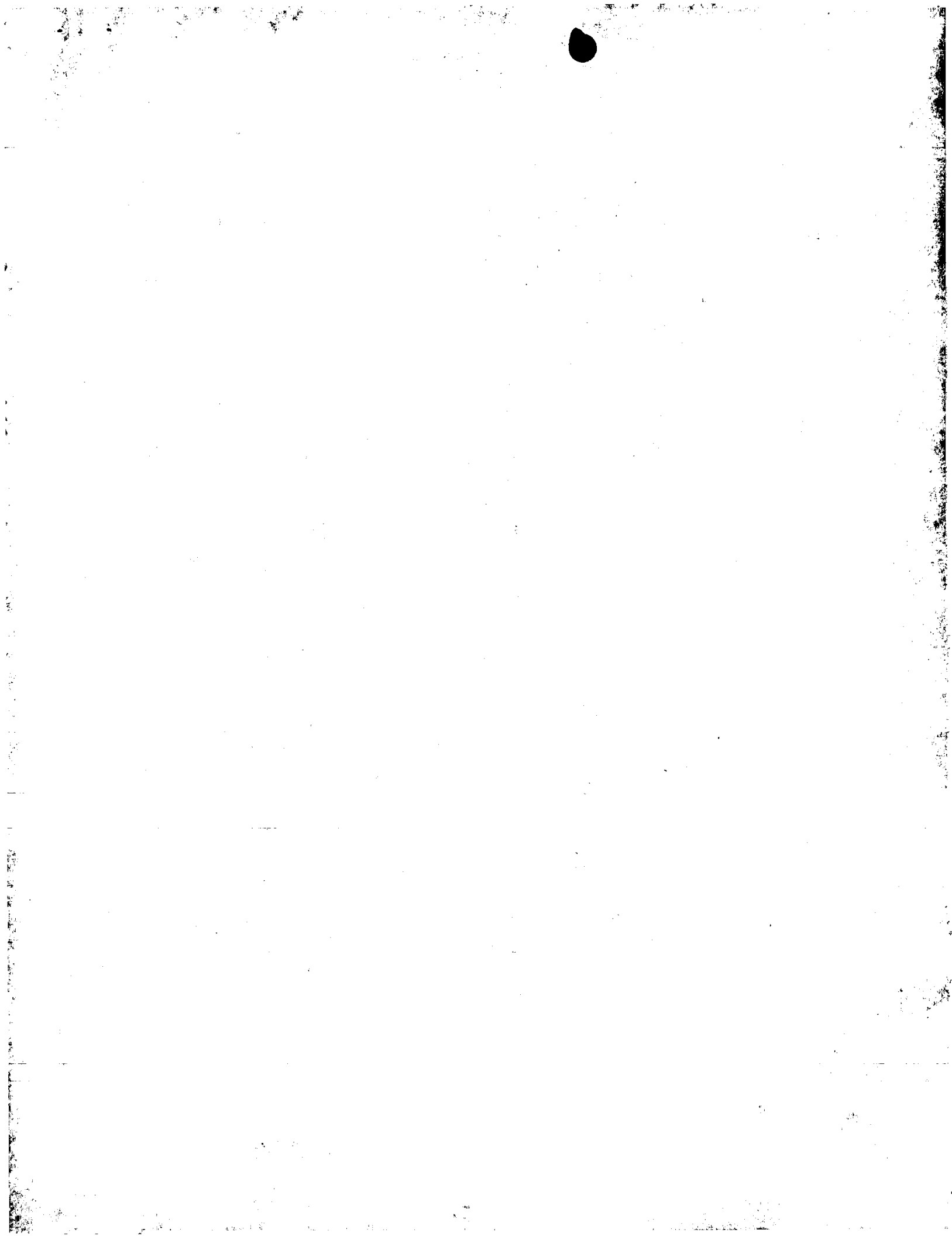
SUMMARIES

Result No.	Score	% Match	Query Length	DB	ID	Description
1	69	5.8	1777	4	US-09-058-260-25	Sequence 25, Appl
2	69	5.8	1924	4	US-09-058-260-29	Sequence 29, Appl
3	69	5.8	2315	4	US-09-058-260-9	Sequence 9, Appli
4	60.2	5.1	2793	1	US-08-209-747-1	Sequence 1, Appli
5	60.2	5.1	2793	1	US-08-458-298-1	Sequence 1, Appli
6	59	5.0	6139	2	US-08-751-767A-7	Sequence 7, Appli
7	58.4	4.9	247	1	US-08-594-031-103	Sequence 103, App
8	56	4.7	2504	2	US-08-946-412-1	Sequence 1, Appli
9	55.4	4.7	9542	4	US-08-968-685A-9	Sequence 9, Appli
10	54.2	4.6	1397	3	US-09-188-930-231	Sequence 231, App
11	54	4.5	624	2	US-08-713-000-9	Sequence 9, Appli
12	54	4.5	624	2	US-08-975-316-9	Sequence 9, Appli
13	54	4.5	624	4	US-09-211-710-9	Sequence 9, Appli
14	54	4.5	684	2	US-08-975-316-45	Sequence 45, Appl
15	54	4.5	1785	2	US-08-975-316-48	Sequence 48, Appl
16	53.4	4.5	480	3	US-09-188-930-206	Sequence 206, App
17	53.4	4.5	2580	3	US-09-050-863-2	Sequence 2, Appli
18	53.4	4.5	3489	2	US-08-728-323A-1	Sequence 1, Appli
c 19	53.4	4.5	5452	2	US-09-130-114-1	Sequence 1, Appli
20	53.4	4.5	9600	4	US-08-910-647-1	Sequence 1, Appli
21	53.4	4.5	10596	1	US-07-884-811-15	Sequence 15, Appl
22	53.4	4.5	10596	1	US-07-885-971-15	Sequence 15, Appl
23	53.4	4.5	10596	1	US-08-087-783A-15	Sequence 15, Appl
24	53.4	4.5	10596	1	US-08-194-088B-15	Sequence 15, Appl
25	53.4	4.5	10596	2	US-08-194-087-15	Sequence 15, Appl
26	53.4	4.5	10596	5	PCT-US93-04648-15	Sequence 15, Appl
c 27	53.4	4.5	32207	2	US-08-770-379-20	Sequence 20, Appl
c 28	53.4	4.5	32207	4	US-08-757-669A-20	Sequence 20, Appl
29	52.4	4.4	1280	3	US-09-188-930-246	Sequence 246, App
30	52	4.4	203	4	US-09-043-303-7	Sequence 7, Appli
31	51.6	4.3	2338	1	US-08-425-069-1	Sequence 1, Appli
32	51.6	4.3	2338	2	US-08-317-844B-1	Sequence 1, Appli

c	33	51.6	4.3	16442	3	US-08-781-891-208	Sequence 208, App
	34	51.4	4.3	562	2	US-08-975-316-53	Sequence 53, Appl
	35	51.2	4.3	397	3	US-09-253-691-3	Sequence 3, Appli
	36	50.8	4.3	758	2	US-08-927-722-1	Sequence 1, Appli
	37	50	4.2	154	1	US-08-469-802B-6	Sequence 6, Appli
	38	50	4.2	154	2	US-08-267-803B-6	Sequence 6, Appli
	39	50	4.2	2214	3	US-08-864-038A-1	Sequence 1, Appli
	40	50	4.2	3331	3	US-08-864-038A-2	Sequence 2, Appli
	41	50	4.2	3331	3	US-08-864-038A-4	Sequence 4, Appli
	42	49.8	4.2	195	1	US-08-469-802B-2	Sequence 2, Appli
	43	49.8	4.2	195	2	US-08-267-803B-2	Sequence 2, Appli
	44	49.8	4.2	234	1	US-08-469-802B-3	Sequence 3, Appli
	45	49.8	4.2	234	2	US-08-267-803B-3	Sequence 3, Appli

SUMMARIES

Result	No.	Score	% Query Match	Length	DB	ID	Description
c	1	986.2	83.1	995	106	AL573636	AL573636 AL573636
c	2	963.6	81.2	1020	105	AL524028	AL524028 AL524028
c	3	957.4	80.7	971	106	AL532725	AL532725 AL532725
c	4	916	77.2	922	106	AL582883	AL582883 AL582883
c	5	911.2	76.8	997	106	AL574296	AL574296 AL574296
c	6	892.6	75.2	908	106	AL572499	AL572499 AL572499
c	7	889.8	75.0	930	106	AL581599	AL581599 AL581599
c	8	885.4	74.6	904	106	AL580926	AL580926 AL580926
c	9	883.2	74.4	944	106	AL568215	AL568215 AL568215
c	10	875.2	73.7	950	106	AL575770	AL575770 AL575770
c	11	860.6	72.5	879	106	AL536824	AL536824 AL536824
c	12	860.4	72.5	893	106	AL549390	AL549390 AL549390
c	13	821	69.2	875	106	AL563367	AL563367 AL563367
c	14	807	68.0	884	106	AL550145	AL550145 AL550145
c	15	730.6	61.6	769	106	AL578135	AL578135 AL578135
c	16	726.4	61.2	866	106	AL572811	AL572811 AL572811
c	17	720	60.7	909	106	AL567329	AL567329 AL567329
	18	689.2	58.1	872	106	AL563368	AL563368 AL563368
c	19	680.4	57.3	831	106	AL570881	AL570881 AL570881
	20	669.2	56.4	957	172	BF980699	BF980699 602303734
c	21	667.4	56.2	838	171	BF967791	BF967791 602287226
c	22	627.4	52.9	696	115	AW411314	AW411314 fh11f01.y
	23	606	51.1	700	155	BG572002	BG572002 602592457
c	24	596.6	50.3	694	106	AL581189	AL581189 AL581189
c	25	586.8	49.4	627	114	AW337246	AW337246 xw82g01.x
c	26	584.2	49.2	940	106	AL575932	AL575932 AL575932
c	27	561.4	47.3	569	114	AW305004	AW305004 xv98c02.x
c	28	556.6	46.9	604	114	AW273163	AW273163 xr34e07.x
	29	552.6	46.6	655	122	AW953956	AW953956 EST365921
c	30	548.8	46.2	582	106	AL567777	AL567777 AL567777
c	31	532.6	44.9	615	118	AW605330	AW605330 QV3-DT004
c	32	524	44.1	593	112	AW129472	AW129472 xe16b10.x
c	33	519.8	43.8	616	106	AL581551	AL581551 AL581551
c	34	509.6	42.9	560	19	AI347938	AI347938 qp60h02.x
c	35	509.4	42.9	547	138	BE646353	BE646353 7e85d03.x
c	36	508.8	42.9	548	173	BG058737	BG058737 naf09h08.
c	37	507.8	42.8	518	116	AW467330	AW467330 he09d05.x
c	38	505.6	42.6	533	116	AW473350	AW473350 xy15b04.x
c	39	502.8	42.4	527	166	BE349631	BE349631 ht58h04.x
c	40	502	42.3	535	165	BE245501	BE245501 TCBAP1D32
c	41	499.8	42.1	541	117	AW515953	AW515953 xy02h07.x
c	42	496	41.8	563	166	BE328026	BE328026 hu31h08.x
c	43	493.2	41.6	535	117	AW513876	AW513876 xo50e09.x
c	44	493	41.5	539	117	AW517499	AW517499 xq10e03.x
	45	490	41.3	490	105	AL044787	AL044787 DKFZp434M



L Number	Hits	Search Text	DB	Time stamp
1	27	tnf same receptor same releasing same enzyme	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:24
2	10	(tnf same receptor same releasing same enzyme) and screen\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:27
3	2	gatanaga-t.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:27
4	5	granger-g.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:28